

KEMENTERIAN RISET, TEKNOLOGI DAN PENDIDIKAN TINGGI  
FAKULTAS EKONOMI DAN BISNIS UNIVERSITAS AIRLANGGA

PROGRAM STUDI : EKONOMI PEMBANGUNAN  
DAFTAR NO. :

**ABSTRAK**  
**SKRIPSI SARJANA EKONOMI**

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TAHUN PENYUSUNAN : 2016

JUDUL:  
HUBUNGAN PERTUMBUHAN EKONOMI DAN EMISI KARBON  
DIOKSIDA (CO<sub>2</sub>) DI INDONESIA

ISI :

Penelitian ini bertujuan untuk mengetahui hubungan antara pertumbuhan ekonomi dan emisi CO<sub>2</sub> di Indonesia. Pemodelan empiris dilakukan menggunakan model persamaan simultan dengan data runtut waktu selama periode 1981-2011.

Dengan metode *Two-Stage Least Squares* (2SLS) menunjukkan hubungan satu arah terjadi dari emisi CO<sub>2</sub> ke pertumbuhan ekonomi dan tidak terdapat hubungan timbal balik. Modal dan angkatan kerja berpengaruh signifikan terhadap pertumbuhan ekonomi di Indonesia. Konsumsi energi dan keterbukaan perdagangan berpengaruh signifikan terhadap emisi CO<sub>2</sub> di Indonesia.

Kata kunci: Emisi CO<sub>2</sub>, pertumbuhan ekonomi, konsumsi energi, model persamaan simultan, kuadrat terkecil dua tahap.

STATE MINISTRY OF RESEARCH AND TECHNOLOGY  
FACULTY OF ECONOMICS AND BUSINESS, AIRLANGGA UNIVERSITY

STUDY PROGRAM : DEVELOPMENT ECONOMICS  
LIST NUMBER :

**ABSTRACT**  
**BACHELOR THESIS OF ECONOMY**

NAME : MOCHAMAD LHUTFI  
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ARRANGED YEAR : 2016

TITLE :  
THE RELATIONSHIP BETWEEN ECONOMIC GROWTH DAN CARBON  
DIOXIDE EMISSIONS (CO<sub>2</sub>) IN INDONESIA

CONTENT :

This study examines the relationship between economic growth and CO<sub>2</sub> emissions in Indonesia. Empirical modelling with simultaneous equations modelling between economic growth and CO<sub>2</sub> emissions by using time series data from 1981-2011.

By Two-Stage Least Squares method, the results support the occurrence of unidirectional causal relationship from CO<sub>2</sub> emissions to economic growth. In addition, the results show that capital and labor force have significant impact on economic growth in Indonesia. Increasing of Energy consumption and trade openness can intensify CO<sub>2</sub> emission in Indonesia.

Keywords: CO<sub>2</sub> emissions, economic growth, energy consumption, simultaneous equations model, Two-stage Least Square.